

What is claimed is:

1 1. A housing structure comprising:

2 a first case including a first inner wall with an
3 extension plate, wherein the length of the
4 extension plate is h; and

5 a second case including a second inner wall with a
6 rib, wherein a notch is defined between the rib
7 and the second inner wall, and the depth of the
8 notch is h;

9 wherein the extension plate engages the notch when
10 the first case is joined with the second case.

1 2. The housing structure as claimed in claim 1,
2 wherein the first inner wall includes an end surface and
3 the extension plate extends from the end surface.

1 3. The housing structure as claimed in claim 1,
2 wherein the first case further includes a first
3 connecting portion, the second case further includes a
4 second connecting portion, and the first connecting
5 portion is joined with the second connecting portion in a
6 separable manner when the first case is joined with the
7 second case.

1 4. The housing structure as claimed in claim 3,
2 wherein the first connecting portion is integrally formed
3 on the first inner wall.

1 5. The housing structure as claimed in claim 3,
2 wherein the second connecting portion is integrally
3 formed on the second inner wall.

1 6. The housing structure as claimed in claim 3,
2 wherein the first connecting portion includes a
3 positioning plate and a hole formed on the positioning
4 plate.

1 7. The housing structure as claimed in claim 1,
2 wherein the extension plate is integrally formed on the
3 first inner wall.

1 8. The housing structure as claimed in claim 1,
2 wherein the rib is integrally formed on the second inner
3 wall.

1 9. The housing structure as claimed in claim 1,
2 wherein the first case is substantially provided with a
3 uniform cross section.

1 10. The housing structure as claimed in claim 1,
2 wherein the second case is substantially provided with a
3 uniform cross section.

1 11. A housing structure comprising:

2 a first case including a first inner wall with a Z-
3 shaped end surface, wherein an extension plate
4 is formed on the Z-shaped end surface, and the
5 length of the extension plate is h ; and

6 a second case including a second inner wall with a
7 rib, wherein a notch is defined between the rib
8 and the second inner wall, and the depth of the
9 notch is h ;

10 wherein the extension plate engages the notch when
11 the first case is joined with the second case.

1 12. The housing structure as claimed in claim 11,
2 wherein the first case further includes a first
3 connecting portion, the second case further includes a
4 second connecting portion, and the first connecting
5 portion is joined with the second connecting portion in a
6 separable manner when the first case is joined with the
7 second case.

1 13. The housing structure as claimed in claim 12,
2 wherein the first connecting portion is integrally formed
3 on the first inner wall.

1 14. The housing structure as claimed in claim 12,
2 wherein the second connecting portion is integrally
3 formed on the second inner wall.

1 15. The housing structure as claimed in claim 12,
2 wherein the first connecting portion includes a
3 positioning plate and a hole formed on the positioning
4 plate.

1 16. The housing structure as claimed in claim 11,
2 wherein the extension plate is integrally formed on the
3 first inner wall.

1 17. The housing structure as claimed in claim 11,
2 wherein the rib is integrally formed on the second inner
3 wall.

1 18. The housing structure as claimed in claim 11,
2 wherein the first case is substantially provided with a
3 uniform cross section.

1 19. The housing structure as claimed in claim 11,
2 wherein the second case is substantially provided with a
3 uniform cross section.